

ABSTRACT

A pressure-elevating type fuel injecting system selectively injects via injectors fuel stored in a common rail or fuel whose pressure is elevated by a pressure elevating mechanism into a combustion chamber, and comprises a crank angle sensor producing crank pulse signals in accordance with operating states of an engine, a pulse interval calculating unit calculating pulse intervals between respective crank pulse signals, and a determination unit determining the malfunction of the pressure elevating mechanism when a variation of the pulse interval is above a determination threshold.